SERVICE INSTRUCTIONS

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KEATING OF CHICAGO, INC.®

REQUIRED FIELD TEST BEFORE REPLACING MILLIVOLT FRYER THERMOSTATS KEATING PART #023145

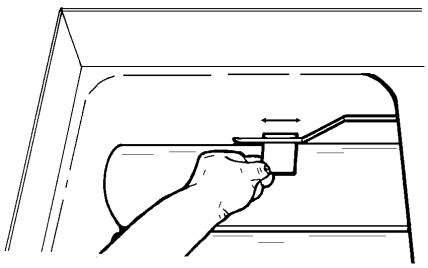
These operational problems can easily be corrected by thermostat bulb positioning.

Overshoot: The thermostat takes a long time to cycle and then misses its preset temperature by 20°F - 40°F yielding a poor quality product.

Short Cycle: The thermostat will cycle rapidly while the fryer is in the idle mode; the temperature will be erratic.

Keating's patented thermostat application is accurate within 2°F of the dial setting between 250°F – 350°F. This accuracy is attained only if the thermostat bulb is placed properly against the heat transfer tube. To quickly and accurately test for proper bulb placement and pressure a single thickness of writing paper should be pulled through between the tube and the bulb with medium resistance.

- If the bulb is too loose, the paper will slip through with little or no resistance. A fryer with a thermostat bulb that is too tight will overshoot.
- If the bulb is too tight, the paper will either not pull through or it will tear. A fryer with a thermostat bulb that is too tight will short cycle.



Thermostat Bulb Positioning

REQUIRED TEST EQUIPMENT:

Multimeter for testing continuity

CHECKING CONTINUITY WITH THE MULTIMETER

1. Rotate the thermostat shaft until an audible click is heard.
2. Rotate the thermostat shaft left and right ten times causing the switch to click on and off ten times, while using the Multimeter to verify continuity.
3. If the switch does not show continuity during all ten trials, replace the thermostat.

WARNING:
Disassembling the thermostat will void the thermostat warranty.